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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
PTO FORM 1449

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ATTY. DOCKET NO.  
11641/39

SERIAL NO.  
10/084,063

APPLICANTS  
R. CASAGRANDE *et al.*

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## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
an	4,230,685	10/28/80	Senyei et al.			
an	4,508,625	04/02/85	Graham			
an	4,582,622	04/15/86	Ikeda et al.			
an	4,591,570	05/27/86	Chang			
an	4,672,040	06/09/87	Josephson			
an	4,777,145	10/11/88	Luotola et al.			
an	4,910,148	03/20/90	Sorensen et al.			
an	4,988,618	01/29/91	Li et al.			
an	4,992,377	02/12/91	Saxholm			
an	5,186,827	02/16/93	Liberti et al.			
an	5,200,084	04/06/93	Liberti et al.			
an	5,202,227	04/13/93	Matsuda et al.			
an	5,278,063	01/11/94	Hubbell et al.			
an	5,330,911	07/19/94	Hubbell et al.			
an	5,395,498	03/07/95	Gombinsky et al.			
an	5,427,663	06/27/95	Austin et al.			
an	5,466,574	11/14/95	Liberti et al.			
an	5,476,796	12/19/95	Takahashi et al.			
an	5,486,457	01/23/96	Butler et al.			
an	5,498,392	03/12/96	Wilding et al.			
an	5,498,550	03/12/96	Fujiwara et al.			
an	5,508,164	04/16/96	Kausch et al.			
an	5,514,340	05/07/96	Landsdorp et al.			

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EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
an	5,567,326	10/22/96	Ekenberg et al.			
em	5,573,942	11/12/96	Miyamoto			
em	5,591,627	01/07/97	Miyamoto			
an	5,593,838	01/14/97	Zanzucchi et al.			
em	5,602,042	02/11/97	Farber			
em	5,646,001	07/08/97	Terstappen et al.			
em	5,660,990	08/26/97	Rao et al.			
an	5,665,582	09/09/97	Kausch et al.			
em	5,681,484	10/28/97	Zanzucchi et al.			
an	5,759,793	06/02/98	Schwartz et al.			
em	5,763,203	06/09/98	Ugelstad et al.			
em	5,755,942	05/26/98	Zanzucchi et al.			
an	5,795,470	08/18/98	Wang et al.			
an	5,812,419	09/22/98	Chupp et al.			
an	5,858,804	01/12/99	Zanzucchi et al.			
an	5,876,593	03/02/99	Liberti et al.			
an	5,912,177	06/15/99	Turner et al.			
em	5,922,284	07/13/99	Kinoshita et al.			
an	5,928,880	07/27/99	Wilding et al.			
em	5,968,820	10/19/99	Zborowski et al.			
em	5,972,721	10/26/99	Bruno et al.			
an	5,989,835	11/23/99	Dunlay et al.			
an	5,993,665	11/30/99	Terstappen et al.			
em	5,993,740	11/30/99	Niiyama et al.			

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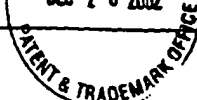
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gm	5,998,224	12/07/99	Rohr et al.			
gm	5,998,160	12/07/99	Berens			
gm	6,008,010	12/28/99	Greenberger et al.			
gm	6,013,188	01/11/00	Terstappen et al.			
gm	6,013,532	01/11/00	Liberti et al.			
gm	6,027,945	02/22/00	Smith et al.			
gm	6,039,897	03/21/00	Lochhead et al.			
gm	6,110,380	08/29/00	Barbera-Guillem			
gm	6,126,835	10/03/00	Barbera-Guillem et al.			
gm	6,133,043	10/17/00	Talley et al.			
gm	6,136,182	10/24/00	Dolan et al.			
gm	6,140,045	10/31/00	Wohlstadter et al.			
gm	6,143,247	11/07/00	Sheppard, Jr. et al.			
gm	6,180,239 B1	01/30/01	Whitesides et al.			
gm	6,180,418 B1	01/30/01	Lee			
gm	6,184,043 B1	02/06/01	Fodstad et al.			
gm	6,187,214 B1	02/13/01	Gañán-Calvo			
gm	6,221,663 B1	04/24/01	Bhatia et al.			
gm	6,235,541 B1	05/22/01	Brizzolara			
gm	6,258,607 B1	07/10/01	Saito et al.			
gm	2002/0012953 A1	01/31/02	Jauho et al.			
gm	2002/0022276 A1	02/21/02	Zhou et al.			

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>gm</i>	WO 92/08133	05/14/92	US				
<i>gm</i>	WO 94/11078	05/26/94	US				
<i>gm</i>	WO 97/28490	08/07/97	US				
<i>gm</i>	WO 99/42832	08/26/99	FI				
<i>gm</i>	WO 00/43783	07/27/00	US				
<i>gm</i>	WO 00/54882	09/21/00	US				
<i>gm</i>	WO 00/60356	10/12/00	US				
<i>gm</i>	WO 01/51668	07/19/01	US				
<i>gm</i>	63-116175	05/20/88	JP				x
<i>gm</i>	0 390 634 B1	05/17/95	EP				

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## OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<i>gm</i>	Castelino J., "Magnetic Activated Cell Sorting using Microfabricated Arrays", Biomedical Physics (1999), Session Z13.001 (abstract)
<i>gm</i>	Delamarche E. <i>et al.</i> , "Microfluidic Networks for Chemical Patterning of Substrates: Design and Application to Bioassays", J. Am. Chem. Soc. (1998) 120:500-508
<i>gm</i>	Delamarche E. <i>et al.</i> , "Patterned Delivery of Immunoglobulins to Surfaces Using Microfluidic Networks", Science (1997) 276:779-781
<i>gm</i>	Fishman D. <i>et al.</i> , "Biological Assays in Microfabricated Structures", SPIE (1999) 3603:192-197
<i>gm</i>	Folch A. <i>et al.</i> , "Microengineering of Cellular Interactions", Annu. Rev. Biomed. Eng. (2000) 2:227-256
<i>gm</i>	Love J.C. <i>et al.</i> , "Fabrication of Three-Dimensional Microfluidic Systems by Soft Lithography", MRS BULLETIN (2001) 523-528
<i>gm</i>	Quake S.R. <i>et al.</i> , "From Micro- to Nanofabrication with Soft Materials", Science (2000) 290:1536-1540

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EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<i>an</i>	Šafařík I. et al., "Use of magnetic techniques for the isolation of cells", Journal of Chromatography B. (1999) 722:33-53

EXAMINER	<i>JD M. CH</i>	DATE CONSIDERED	<i>2/18/05</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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U. S. PATENT DOCUMENTS

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EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	TECH CENTER DATE
<i>an</i>	4,748,124	05/31/88	Vogler			
<i>an</i>	5,602,028	02/11/97	Minchinton			
<i>an</i>	5,612,188	03/18/97	Shuler et al.			
<i>an</i>	5,776,748	07/07/98	Singhvi et al.			
<i>an</i>	6,090,251	07/18/00	Sundberg et al.			
<i>an</i>	6,238,538 B1	05/29/01	Parce et al.			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

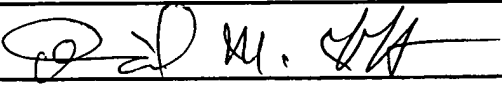
OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
<i>an</i>	Bhatia <i>et al.</i> , "Selective Adhesion of Hepatocytes on Patterned Surfaces", Annals New York Academy of Sciences, 745:187-209 (1994)
<i>an</i>	Blawas <i>et al.</i> , "Protein Patterning", Biomaterials, 19:595-609 (1998)
<i>an</i>	Britland <i>et al.</i> , "Micropatterning Proteins and Synthetic Peptides on Solid Supports: A Novel Application for Microelectronics Fabrication Technology", Biotechnol. Prog., 8:155-160 (1992)
<i>an</i>	Chen <i>et al.</i> , "Using Self-Assembled Monolayers to Pattern ECM Proteins and Cells on Substrates", Methods in Molecular Biology - Extracellular, Matrix Protocols, 139:209-218
<i>an</i>	Chiu <i>et al.</i> , "Patterned deposition of cells and proteins onto surfaces by using three-dimensional microfluidic systems", PNAS, 97(6):2408-2413 (2000)
<i>an</i>	Dasgupta <i>et al.</i> , "Visualizing thin-layer, 2-D flow and chemical interaction can be done simply and cheaply", Analytical Chemistry, 74(7):209A-213A (2002)



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449</b>  Page 2/2	ATTY. DOCKET NO. 11641/39	SERIAL NO. 10/084,063
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	FILING DATE February 28, 2002	GROUP 1743

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Hodneland <i>et al.</i> , " <del>Selective immobilization of proteins to self-assembled monolayers presenting active site directed capture ligands</del> ", PNAS, 99(8):5048-5052 (2002)
	Jung <i>et al.</i> , <i>Topographical and Physicochemical Modification of Material Surface to Enable Patterning of Living Cells</i> ", Critical Reviews in Biotechnology, 21(2):111-154 (2001)
	Saleemuddin, " <i>Bioaffinity Based Immobilization of Enzymes</i> ", Advances in Biochemical Engineering/Biotechnology, 64: 203-226 (1999)

EXAMINER 	DATE CONSIDERED 2/18/05
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/PUBLICATION NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>jm</i>	6,558,904 B2	May 6, 2003	Ermantraut et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

EXAMINER <i>jm</i> <i>M. J. J.</i>	DATE CONSIDERED 2/18/05
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